

Active Recombinant Human MANF Protein

Cat. No. MANF-702H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MANF protein was expressed from CHO-based cell line and purified by QMCF Technology.
Species	Human
Source	CHO
Description	MANF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA- induced degeneration of dopamine neurons in rodent models of Parkinson's disease. When administered after 6-OHDA-lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta.
Form	PBS pH 7.4.
Bio-activity	Protein is biologically active. Suitable for cell culture and in vivo testing. Human recombinant MANF has been tested in rat 6-OHDA model of Parkinson's disease and shown neuroprotection and neurorestoration. MANF has also shown neuroprotection in animal models of stroke.
Molecular Mass	Approximately 18.1 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids.
Endotoxin	Less than 1EU/mg of protein as determined by LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -70 centigrade upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles.
----------------	---

Concentration	1 mg/ml
----------------------	---------

GENE INFORMATION

Gene Name	mesencephalic astrocyte derived neurotrophic factor
------------------	---

Official Symbol	MANF
------------------------	------

Synonyms	Mesencephalic astrocyte-derived neurotrophic factor – MANF; ARMET; ARP
-----------------	--

Gene ID	7873
----------------	------

mRNA Refseq	NM_006010.4
--------------------	-------------

Protein Refseq	NP_006001.3
-----------------------	-------------

MIM	601916
------------	--------

UniProt ID	P55145
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA